# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 03/20/2019 12:05 PM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 01/02/2019 10:47 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 72756 | Expiration Date: | 10/31/2019 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124427 | -1 | 2.73 | 124475 | 2.71 |
| Blue | F | SSC | 125000 | 122546 | -2 | 4.79 | 123362 | 4.74 |
| Blue | E | FITC | 16694 | 16390 | -2 | 4.45 | 382 | 22.27 |
| Blue | D | PE | 32792 | 32158 | -2 | 3.66 | 710 | 16.41 |
| Blue | B | PerCP-Cy5-5 | 44451 | 43980 | -2 | 5.18 | 1198 | 23.57 |
| Blue | A | PE-Cy7 | 33645 | 33603 | -1 | 7.34 | 612 | 48.60 |
| Red | C | APC | 47008 | 46434 | -2 | 3.14 | 1796 | 13.66 |
| Red | A | APC-Cy7 | 32298 | 31792 | -2 | 3.10 | 797 | 14.15 |
| Violet | B | V450 | 8961 | 8517 | -5 | 5.24 | 504 | 17.25 |
| Violet | A | V500 | 32726 | 31108 | -5 | 4.95 | 759 | 11.91 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 20868 | 3.76 | 610 | -3 | N/A | N/A | Pass |
| Blue | F | SSC | 55516 | 4.35 | 582 | 14 | N/A | N/A | Pass |
| Blue | E | FITC | 62 | 72.41 | 568 | 5 | 0.0148 | 106 | Pass |
| Blue | D | PE | 142 | 57.49 | 572 | 6 | 0.1364 | 313 | Pass |
| Blue | B | PerCP-Cy5-5 | 222 | 57.17 | 676 | 5 | 0.0071 | 57 | Pass |
| Blue | A | PE-Cy7 | 120 | 121.47 | 731 | 5 | 0.0087 | 28 | Pass |
| Red | C | APC | 408 | 28.95 | 614 | 1 | 0.0182 | 98 | Pass |
| Red | A | APC-Cy7 | 198 | 31.64 | 585 | 0 | 0.0046 | 1021 | Pass |
| Violet | B | V450 | 90 | 61.16 | 479 | -7 | 0.0200 | 1107 | Pass |
| Violet | A | V500 | 111 | 38.94 | 489 | -7 | 0.0176 | 969 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 03/20/2019 12:05 PM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 01/02/2019 10:47 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.57 | 47.98 - 71.98 | N/A | N/A | -33.12 | -32.46 | 1.13 |
| Blue | 20.35 | 16.27 - 24.41 | 1.25 | 0.99 - 1.49 | 0.00 | 0.00 | 1.46 |
| Red | 17.86 | 13.60 - 20.40 | N/A | N/A | 29.28 | 29.98 | 1.21 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

## Threshold

Threshold (FSC): 14572

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments